CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	AKRON[b]					CANTON[c]			
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.9	25.4	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
September	309.4	281.4	28.0	9.0	September	190.3	170.3	20.0	10.5
October	309.2	282.8	26.4	8.5	October	190.1	172.3	17.8	9.4
November	304.6	278.0	26.6	8.4	November	189.9	167.6	18.3	9.8
December	298.4	271.8	26.6	8.9	December	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January	180.6	161.9	18.7	10.4
February	292.2	263.4	28.8	9.8	February	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	183.1	165.3	17.9	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	293.5	273.7	19.8	6.8	June	187.4	171.2	16.2	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August	304.8	274.8	30.1	9.9	August	189.7	172.4	17.4	9.2
September[p]	293.2	263.9	29.3	10.0	September[p]	187.3	167.3	20.0	10.7
	CINCINNATI[d]					CLEVELAND[e]			
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
September	688.7	637.4	51.3	7.5	September	959.6	882.5	77.2	8.0
October	691.9	642.3	49.7	7.2	October	958.2	887.0	71.2	7.4
November	679.9	628.1	51.9	7.6	November	943.6	865.9	77.8	8.2
December	671.4	622.3	49.0	7.3	December	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January	913.6	835.5	78.2	8.6
February	664.9	607.3	57.6	8.7	February	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	883.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August	697.6	638.8	58.8	8.4	August	961.0	880.8	80.1	8.3
September[p]	692.6	628.8	63.8	9.2	September[p]	940.1	856.7	83.4	8.9

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p]Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1970	433.5	415.4	18.1	4.2
1971	445.4	425.5	19.9	4.5
1972	469.1	450.2	18.9	4.0
1973	485.3	468.2	17.1	3.5
1974	494.7	474.7	19.9	4.0
1975	493.5	457.1	36.4	7.4
1976	501.7	466.7	35.0	7.0
1977	511.1	481.2	29.9	5.9
1978	529.4	504.6	24.8	4.7
1979	540.9	515.1	25.7	4.8
1980	557.4	525.8	31.6	5.7
1980				
September	567.2	532.6	34.6	6.1
October	578.5	544.6	33.9	5.9
November	571.2	532.4	38.8	6.8
December	557.9	524.4	33.6	6.0
1981				
January	550.4	508.2	42.2	7.7
February	548.2	506.5	41.6	7.6
March	562.0	520.9	41.1	7.3
April	566.6	532.5	34.1	6.0
May	578.5	540.8	37.8	6.5
June	577.1	536.2	40.9	7.1
July	583.7	538.0	45.8	7.8
August	579.5	534.9	44.6	7.7
September[p]	572.4	522.8	49.6	8.7
DAYTON[g]				
1970	363.8	335.6	16.2	4.6
1971	349.3	326.0	23.3	6.7
1972	353.6	336.3	17.3	4.9
1973	357.9	343.4	14.5	4.0
1974	358.9	341.9	17.0	4.7
1975	356.5	326.7	29.8	8.4
1976	359.2	335.0	24.1	6.7
1977	366.6	346.4	20.2	5.5
1978	379.6	362.3	17.3	4.6
1979	390.6	366.5	24.1	6.2
1980	389.0	359.8	29.2	7.5
1980				
September	396.0	364.7	31.3	7.9
October	398.3	370.1	28.2	7.1
November	390.8	360.8	30.0	7.7
December	384.2	356.6	27.5	7.2
1981				
January	373.5	347.5	26.0	6.4
February	377.8	347.3	30.5	8.1
March	387.5	357.5	30.0	7.8
April	389.1	364.3	24.8	6.4
May	397.2	369.4	27.8	7.0
June	393.7	364.0	29.7	7.5
July	399.2	364.1	35.1	8.8
August	394.7	360.9	33.8	8.6
September[p]	391.9	357.7	34.3	8.7
TOLEDO[h]				
1970	315.8	298.4	17.4	5.5
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.3	318.5	28.8	8.3
1977	353.9	328.5	25.4	7.2
1978	361.2	338.8	22.4	6.2
1979	366.4	340.1	26.3	7.2
1980	367.5	329.3	38.2	10.4
1980				
September	370.5	332.8	37.7	10.2
October	374.6	338.5	36.2	9.7
November	370.8	331.8	39.0	10.5
December	364.2	327.9	36.3	10.0
1981				
January	357.9	317.8	40.1	11.2
February	356.8	313.8	43.0	12.1
March	364.6	324.6	40.0	11.0
April	365.9	333.8	32.1	8.8
May	373.9	340.2	33.8	9.0
June	374.1	339.3	34.7	9.3
July	375.1	335.4	39.6	10.6
August	372.2	332.5	39.8	10.7
September[p]	368.4	327.3	41.1	11.1
YOUNGSTOWN-WARREN[i]				
1970	218.5	205.1	13.4	6.1
1971	225.0	207.1	17.9	8.0
1972	226.9	212.1	14.8	6.5
1973	232.4	221.7	10.7	4.6
1974	236.3	223.3	13.0	5.5
1975	236.0	209.1	26.9	11.4
1976	233.4	209.8	23.6	10.1
1977	233.0	214.0	18.9	8.1
1978	234.3	216.6	17.7	7.5
1979	236.2	219.1	17.1	7.2
1980	237.5	209.5	28.0	11.8
1980				
September	242.1	210.9	31.2	12.9
October	241.5	214.0	27.5	11.4
November	236.5	207.3	29.2	12.4
December	230.8	200.8	29.9	13.0
1981				
January	231.4	195.8	35.6	15.4
February	228.3	193.8	34.5	15.1
March	228.4	200.8	27.6	12.1
April	229.5	208.3	21.1	9.2
May	234.1	213.1	21.0	9.0
June	233.5	211.5	22.0	9.4
July	237.1	211.8	25.3	10.7
August	234.2	206.8	27.4	11.7
September	231.8	206.0	25.8	11.1

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Defined as Greene, Miami, Montgomery, and Preble Counties. [h]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Defined as Mahoning and Trumbull Counties. [p]Preliminary.

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CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,388	4,152	236	5.4	4.9
1971	4,412	4,125	286	6.5	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,615	4,417	198	4.3	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,282	428	9.1	8.5
1976	4,737	4,367	369	7.8	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,937	4,670	267	5.4	6.0
1979	5,036	4,739	297	5.9	5.8
1980	5,086	4,659	426	8.4	7.1
1980					
October .	5,208	4,774	433	8.3	7.1
November.	5,112	4,649	463	9.1	7.1
December.	5,004	4,574	430	8.6	6.9
1981					
January .	4,970	4,453	517	10.4	8.2
February.	4,941	4,445	496	10.0	8.0
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,691	385	7.6	7.0
May	5,187	4,773	414	8.0	7.1
June	5,166	4,730	435	8.4	7.7
July	5,246	4,751	495	9.4	7.9
August ..	5,189	4,702	488	9.4	7.2
September	5,104	4,593	511	10.0	7.3
October .	5,112	4,607	505	9.9	7.5

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	3,880.6	1,409.9	2,470.7
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,398.8	1,267.5	3,131.4
1980			
October .	4,413.3	1,247.3	3,166.0
November.	4,430.3	1,261.2	3,169.0
December.	4,420.1	1,253.3	3,166.8
1981			
January .	4,303.8	1,239.9	3,063.9
February.	4,297.0	1,237.1	3,059.9
March ...	4,330.8	1,247.7	3,083.1
April ...	4,370.5	1,256.5	3,114.0
May	4,402.3	1,256.4	3,145.9
June	4,422.9	1,261.2	3,161.7
July	4,365.4	1,247.2	3,118.2
August ..	4,355.0	1,242.7	3,112.3
September	4,398.0	1,258.6	3,139.5
October .	4,407.5	1,239.6	3,168.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	20.6	164.2	225.0	185.0	588.2	154.2	568.0	565.5
1971	20.8	155.2	223.8	185.5	537.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	183.5	232.1	232.8	742.4	200.6	805.6	674.0
1980	30.8	180.1	225.1	229.4	740.6	205.7	830.2	689.6
1980								
October .	30.8	193.0	225.7	228.6	742.0	205.9	841.0	699.0
November.	31.3	187.7	224.9	228.6	751.6	206.4	835.5	703.1
December.	31.0	174.6	224.0	228.9	766.3	207.2	830.9	703.9
1981								
January .	30.8	150.2	217.9	227.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	216.9	226.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	217.7	227.1	715.9	206.6	835.7	697.4
April ...	20.9	163.0	219.7	227.8	729.9	207.1	853.3	692.3
May	21.4	169.7	219.8	227.7	739.5	208.0	862.0	697.8
June	30.3	176.0	220.6	229.4	741.6	209.6	870.0	684.2
July	31.3	181.5	220.8	229.1	738.0	210.1	864.9	642.4
August ..	31.3	182.1	221.3	228.7	740.6	210.5	865.2	692.7
September	31.6	180.6	221.8	228.4	744.0	209.4	870.6	653.1
October .	31.5	180.9	222.0	228.5	743.2	209.1	868.3	684.5

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1970	1,409.9	1,002.5	407.4	1,015.2	$157.4	41.2
1971	1,333.8	936.1	397.7	958.1	160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,267.5	885.2	382.3	869.9	302.8	35.3
1980						
October .	1,247.3	867.8	379.6	854.6	310.3	34.9
November.	1,261.2	881.4	379.8	869.2	325.7	36.0
December.	1,253.3	874.7	378.6	861.2	333.2	36.3
1981						
January .	1,239.9	864.3	375.6	848.5	319.8	34.9
February.	1,237.1	862.9	374.2	845.7	316.6	34.3
March ...	1,247.7	873.9	373.7	856.5	326.8	35.0
April ...	1,256.5	881.4	375.1	865.4	334.9	35.5
May	1,256.4	881.2	375.2	865.3	338.4	35.7
June	1,261.2	884.6	376.6	869.0	345.4	36.0
July	1,247.2	872.9	374.3	854.3	331.6	34.7
August ..	1,242.7	866.2	376.5	850.8	335.1	34.8
September	1,258.6	878.6	380.0	866.7	344.0	35.5
October .	1,239.6	866.1	373.5	848.4	335.5	34.4

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$155.09	$157.53	$147.46	40.6	40.6	40.4	$3.82	$3.88	$3.65
1971	167.68	171.36	158.77	40.7	40.8	40.4	4.12	4.20	3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.95	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.96	216.34	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	289.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1980									
October .	369.53	375.46	331.27	40.8	40.9	40.4	9.30	9.17	8.22
November.	374.67	387.61	340.71	41.4	41.5	41.1	9.05	9.34	8.31
December.	386.90	401.00	349.43	42.1	42.3	41.5	9.19	9.48	8.42
1981									
January .	376.89	387.98	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.33	386.24	343.96	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	395.44	407.22	364.91	40.6	40.6	40.5	9.74	10.03	9.01

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1970	69.9	168.2	170.2	228.9	144.3	152.9	81.8	71.2	90.2
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.9	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.6	223.5	117.8	165.8	74.4	67.6	106.7
1980	64.6	139.6	157.5	213.8	107.6	138.7	72.9	67.8	92.9
1980									
October .	64.2	132.5	153.3	207.6	105.5	141.7	73.0	67.7	91.0
November.	64.2	135.8	156.3	210.0	106.4	146.1	71.6	67.6	92.3
December.	63.3	138.4	155.3	210.4	106.0	139.2	71.1	67.3	92.2
1981									
January .	62.7	138.3	151.9	209.0	105.6	135.0	69.9	67.2	91.2
February.	62.3	137.9	152.5	209.9	104.6	133.4	69.6	67.0	90.2
March ...	62.3	139.1	154.9	209.9	103.6	141.2	69.2	67.0	90.2
April ...	63.1	141.5	156.6	209.7	105.0	142.1	68.9	66.7	91.2
May	63.5	141.0	157.0	208.8	105.7	141.4	68.7	66.6	91.1
June	64.1	142.1	157.9	209.0	105.3	141.8	69.8	66.8	90.5
July	63.2	140.0	155.7	206.9	105.7	137.1	69.4	67.1	89.1
August ..	64.0	140.5	153.4	204.1	106.6	133.0	71.8	67.1	88.9
September	63.7	141.6	156.2	206.2	107.5	138.0	73.9	67.3	89.7
October .	62.2	138.3	155.3	204.5	105.4	136.0	70.1	67.5	88.5
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$146.88	$162.41	$161.16	$160.63	$149.11	$175.03	$152.31	$163.51	$153.54
1971	162.96	177.36	173.40	169.33	159.20	198.55	163.43	173.82	162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.09	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.35	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	329.61
1980									
October .	332.03	442.27	376.28	355.14	334.15	442.85	335.71	322.27	345.98
November.	339.87	460.10	375.66	372.59	340.72	455.18	348.98	336.42	351.46
December.	344.00	476.43	388.44	387.82	348.20	481.57	351.51	346.71	365.01
1981									
January .	334.95	463.56	379.61	377.10	341.07	450.94	352.79	336.93	358.11
February.	330.86	468.54	378.01	377.73	343.48	436.30	351.51	324.63	355.37
March ...	334.14	477.25	390.19	382.39	349.32	447.04	347.24	329.12	367.84
April ...	337.77	495.76	387.73	379.35	354.24	457.19	353.83	337.42	370.71
May	345.24	488.04	394.15	386.46	352.92	466.35	364.50	344.42	366.80
June	348.02	496.69	399.23	392.29	356.59	488.62	357.62	348.91	375.84
July	349.57	486.38	384.71	387.57	353.76	465.03	360.91	346.94	363.69
August ..	353.42	485.48	387.03	392.35	364.67	488.92	361.84	351.16	372.69
September	360.14	504.00	384.40	391.14	364.50	476.63	378.88	364.03	359.96
October .	356.24	485.19	388.23	392.23	370.46	479.33	368.33	357.20	378.43

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	4407.5	4398.0	4413.3	.2	- .1
MANUFACTURING	1239.6	1258.6	1247.3	- 1.5	- .6
Durable Goods[e]	866.1	878.6	867.8	- 1.4	- .2
Lumber and wood products	13.4	13.5	13.3	- 1.2	.4
Furniture and fixtures	15.1	15.4	15.2	- 1.5	- .4
Household furniture	6.9	7.2	6.8	- 3.9	1.1
Stone, clay, and glass products	62.2	63.7	64.2	- 2.3	- 3.1
Glass and glassware, pressed or blown	14.9	15.0	15.3	- 1.0	- 2.5
Structural clay products	6.5	6.7	6.7	- 3.0	- 3.5
Pottery and related products	6.7	6.7	7.0	- .6	- 4.7
Primary metal industries	138.3	141.6	132.9	- 2.3	4.4
Blast furnace and basic steel products	71.6	72.9	67.1	- 1.8	6.8
Iron and steel foundries	28.5	29.2	26.4	- 2.5	7.8
Nonferrous rolling and drawing	19.8	20.4	20.8	- 3.3	- 4.8
Nonferrous foundries	9.9	10.4	10.0	- 4.9	- .7
Fabricated metal products	155.3	156.2	153.3	- .6	1.3
Cutlery, hand tools, and hardware	13.5	13.5	13.7	.0	- 1.2
Plumbing and heating, except electric	6.0	6.0	5.7	- .2	3.7
Fabricated structural metal products	35.5	35.1	37.0	1.2	- 4.1
Screw machine products, bolts, etc.	11.2	11.1	10.5	1.0	6.2
Metal forgings and stampings	43.8	44.5	42.4	- 1.6	3.2
Machinery, except electrical	204.5	206.2	207.6	- .8	- 1.5
Construction and related machinery	26.3	26.4	25.8	- .3	1.8
Metalworking machinery	54.7	54.3	56.8	.7	- 3.9
Special industry machinery	22.4	22.8	23.8	- 2.0	- 5.9
General industrial machinery	38.0	38.1	37.5	- .3	1.3
Electric and electronic equipment	105.4	107.5	105.5	- 2.0	- .2
Electrical industrial apparatus	24.7	25.2	24.3	- 2.0	1.5
Household appliances	21.3	22.1	20.0	- 3.3	6.7
Electric lighting and wiring equipment	19.8	20.3	20.2	- 2.8	- 2.2
Communication equipment	12.1	12.1	12.7	.0	- 4.8
Transportation equipment	136.0	138.0	141.7	- 1.5	- 4.0
Motor vehicles and equipment	90.2	91.9	93.4	- 1.9	- 3.4
Aircraft and parts	36.4	36.5	38.5	- .4	- 5.4
Instruments and related products	20.9	21.4	20.0	- 2.1	4.7
Measuring and controlling devices	12.6	13.0	12.0	- 2.7	4.8
Nondurable Goods[f]	373.5	380.0	379.6	- 1.7	- 1.6
Food and kindred products	70.1	73.9	73.0	- 5.1	- 4.0
Meat products	11.3	11.4	12.1	- 1.2	- 7.1
Dairy products	11.6	11.8	12.1	- 1.1	- 3.6
Bakery products	11.1	11.3	12.6	- 2.1	- 12.1
Beverages	11.0	11.1	11.2	- .6	- 1.8
Textile mill products	5.0	5.2	5.3	- 4.1	- 6.4
Apparel and other textile products	17.5	17.2	17.1	1.4	2.2
Paper and allied products	38.4	39.3	38.4	- 2.4	- .1
Paper mills, except building paper	9.9	10.4	10.0	- 4.6	- 1.1
Misc. converted paper products	11.8	11.8	11.7	- .2	.8
Paperboard containers and boxes	13.1	13.6	13.2	- 3.6	- .9
Printing and publishing	67.5	67.3	67.7	.2	- .4
Newspapers	19.8	19.9	19.9	- .2	- .5
Commercial printing	26.4	26.2	26.6	.6	- .6
Chemicals and allied products	68.0	68.6	67.8	- .9	.4
Industrial inorganic chemicals	13.0	13.1	13.0	- .5	- .2
Plastics materials and synthetics	9.6	9.7	9.6	- 1.2	.5
Petroleum and coal products	12.8	13.0	13.5	- 1.2	- 4.9
Rubber and misc. plastics products	88.5	89.7	91.0	- 1.3	- 2.7
Tires and inner tubes	23.9	23.9	25.8	- .3	- 7.4
Miscellaneous plastics products	43.7	44.0	44.5	- .7	- 1.9
Leather and leather products	5.5	5.6	5.6	- 1.9	- 1.7

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$395.44	$396.88	$363.53	40.6	41.0	40.8	$ 9.74	$ 9.68	$ 8.91
Durable Goods[d]	407.22	408.59	375.46	40.6	40.9	40.9	10.03	9.99	9.18
Lumber and wood products	267.42	268.42	240.40	39.5	39.3	38.9	6.77	6.83	6.18
Furniture and fixtures	275.04	274.45	260.44	38.2	38.6	38.3	7.20	7.11	6.80
Household furniture	237.08	244.86	225.58	36.7	38.2	36.8	6.46	6.41	6.13
Stone, clay, and glass products	356.24	360.14	332.03	40.9	41.3	41.4	8.71	8.72	8.02
Glass and glassware, pressed or blown	377.94	374.74	344.86	39.7	40.6	40.1	9.52	9.23	8.60
Structural clay products	287.18	274.16	253.92	41.5	40.2	39.8	6.92	6.82	6.38
Pottery and related products	268.80	263.89	261.02	37.7	36.6	38.9	7.13	7.21	6.71
Primary metal industries	485.19	504.00	442.27	40.5	42.0	40.8	11.98	12.00	10.84
Blast furnace and basic steel products	531.62	555.44	458.99	40.8	42.4	39.5	13.03	13.10	11.62
Iron and steel foundries	446.19	442.68	395.20	40.6	40.8	40.0	10.99	10.85	9.88
Nonferrous rolling and drawing	445.94	480.40	482.64	37.6	40.1	42.3	11.86	11.98	11.41
Nonferrous foundries	341.66	338.24	321.88	41.2	40.9	40.9	8.30	8.27	7.87
Fabricated metal products	388.23	384.40	376.28	39.9	40.0	40.9	9.73	9.61	9.20
Cutlery, hand tools, and hardware	404.61	397.20	358.83	40.1	40.0	37.3	10.09	9.93	9.62
Plumbing and heating, except electric	304.19	294.52	276.64	39.2	38.2	38.0	7.76	7.71	7.28
Fabricated structural metal products	347.10	346.53	326.42	39.0	39.2	40.2	8.90	8.84	8.12
Screw machine products, bolts, etc.	337.92	352.34	311.56	38.4	39.5	38.8	8.80	8.92	8.03
Metal forgings and stampings	463.05	456.75	482.54	40.3	40.6	43.2	11.49	11.25	11.17
Machinery, except electrical	392.23	391.14	355.14	40.9	41.0	41.2	9.59	9.54	8.62
Construction and related machinery	398.69	388.00	358.02	40.6	40.0	40.5	9.82	9.70	8.84
Metalworking machinery	397.31	393.18	356.24	41.3	41.3	40.9	9.62	9.52	8.71
Special industry machinery	373.32	369.70	329.85	41.5	41.4	41.7	9.01	8.93	7.91
General industrial machinery	393.98	384.71	349.92	40.7	40.2	40.5	9.68	9.57	8.64
Electric and electronic equipment	370.46	364.50	334.15	40.8	40.5	40.8	9.08	9.00	8.19
Electrical industrial apparatus	369.05	360.59	326.82	41.7	41.4	40.7	8.85	8.71	8.03
Household appliances	406.39	400.05	352.79	41.3	41.2	41.8	9.84	9.71	8.44
Electric lighting and wiring equipment	334.13	328.38	313.56	40.5	39.9	40.2	8.25	8.23	7.81
Communication equipment	392.81	410.62	358.51	38.7	40.1	38.8	10.15	10.24	9.24
Transportation equipment	479.33	476.63	442.85	41.5	41.7	41.7	11.55	11.43	10.62
Motor vehicles and equipment	500.03	500.15	463.41	41.6	42.1	41.9	12.02	11.88	11.06
Aircraft and parts	423.46	411.60	389.91	40.6	40.0	41.0	10.43	10.29	9.51
Instruments and related products	274.03	274.03	246.98	39.6	39.6	39.9	6.92	6.92	6.19
Measuring and controlling devices	283.20	279.09	243.24	40.4	39.7	40.2	7.01	7.03	6.20
Nondurable Goods[e]	364.91	365.79	331.27	40.5	41.1	40.3	9.01	8.90	8.22
Food and kindred products	368.33	378.88	335.71	41.2	43.3	41.6	8.94	8.75	8.07
Meat products	409.00	426.13	382.82	40.9	43.0	42.3	10.00	9.91	9.05
Dairy products	346.08	358.19	329.62	42.0	43.0	43.2	8.24	8.33	7.63
Bakery products	370.64	363.94	317.20	41.0	40.8	39.6	9.04	8.92	8.01
Beverages	358.02	340.66	306.68	40.5	40.7	41.0	8.84	8.37	7.48
Textile mill products	260.56	261.74	247.73	39.3	39.9	39.7	6.63	6.56	6.24
Apparel and other textile products	210.55	204.23	189.22	37.2	36.6	36.6	5.66	5.58	5.17
Paper and allied products	356.90	385.42	335.75	41.5	44.2	42.5	8.60	8.72	7.90
Paper mills, except building paper	430.51	495.51	419.52	44.2	49.7	46.0	9.74	9.97	9.12
Misc. converted paper products	329.21	324.24	292.63	41.1	41.2	40.7	8.01	7.87	7.19
Paperboard containers and boxes	320.38	342.69	303.14	39.7	42.1	40.8	8.07	8.14	7.43
Printing and publishing	357.20	364.03	322.27	38.0	38.4	37.0	9.40	9.48	8.71
Newspapers	331.54	354.24	306.51	33.9	36.0	33.1	9.78	9.84	9.26
Commercial printing	381.97	384.75	337.81	39.5	39.3	38.3	9.67	9.79	8.82
Chemicals and allied products	396.76	394.83	349.61	41.2	41.3	40.7	9.63	9.56	8.59
Industrial inorganic chemicals	437.00	441.60	389.05	41.5	41.7	41.3	10.53	10.59	9.42
Plastics materials and synthetics	430.96	416.51	370.05	43.4	42.2	41.3	9.93	9.87	8.96
Petroleum and coal products	547.90	527.83	520.65	44.4	43.3	45.0	12.34	12.19	11.57
Rubber and misc. plastics products	378.43	359.96	345.98	41.0	40.4	40.8	9.23	8.91	8.48
Tires and inner tubes	526.35	509.72	443.04	43.5	42.3	41.6	12.10	12.05	10.65
Miscellaneous plastics products	361.70	340.35	336.15	40.1	39.9	40.5	9.02	8.53	8.30
Leather and leather products	187.36	185.10	165.50	37.1	36.8	35.9	5.05	5.03	4.61

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1981 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
NONMANUFACTURING	3168.0	3139.5	3166.0	.9	.1
MINING	31.5	31.6	30.8	- .2	2.4
Bituminous coal and lignite mining	14.9	14.9	15.2	- .3	- 2.3
CONSTRUCTION	180.9	180.6	193.0	.1	- 6.3
General building contractors	44.8	44.9	48.6	- .1	- 7.7
Heavy construction contractors	27.5	27.5	29.0	- .1	- 5.2
TRANSPORTATION AND PUBLIC UTILITIES	222.0	221.8	225.7	.1	- 1.6
Railroad transportation	28.1	28.1	29.6	- .1	- 5.1
Transportation, except railroads	98.5	98.0	101.2	.5	- 2.7
Trucking and warehousing	74.6	74.2	76.9	.5	- 3.0
Communication, electric, gas services	95.4	95.7	94.9	- .3	.6
Communication	54.6	54.7	54.3	- .1	.6
Electric, gas, and sanitary services	40.8	41.0	40.6	- .4	.5
WHOLESALE TRADE	228.5	228.4	228.6	.1	.0
Wholesale trade-durable goods	146.5	146.2	147.2	.2	- .5
Motor vehicles & automotive equipment	19.8	20.0	21.1	- 1.0	- 6.4
Electrical goods	18.6	18.6	18.7	.3	- .2
Machinery, equipment, and supplies	63.5	63.2	62.3	.4	2.0
Wholesale trade-nondurable goods	82.1	82.2	81.4	- .2	.9
Groceries and related products	23.8	24.0	23.5	- .8	1.4
RETAIL TRADE	743.2	744.0	742.0	- .1	.2
General merchandise stores	120.5	117.5	123.6	2.5	- 2.5
Department stores	110.4	107.6	112.8	2.6	- 2.1
Food stores	119.6	119.8	118.6	- .2	.9
Automotive dealers & service stations	74.1	74.6	78.2	- .6	- 5.2
Apparel and accessory stores	36.2	35.8	36.5	1.3	- .6
FINANCE, INSURANCE, AND REAL ESTATE	209.1	209.4	205.9	- .1	1.5
Banking	59.0	59.2	58.6	- .3	.6
Credit agencies other than banks	30.5	30.4	30.5	.5	.2
Insurance carriers	59.3	59.3	58.7	- .1	.9
SERVICES	868.3	870.6	841.0	- .3	3.2
Hotels and other lodging places	29.8	30.5	31.0	- 2.3	- 3.7
Laundry, cleaning, & garment services	17.7	17.5	18.1	1.0	- 2.3
Business services	126.2	125.3	122.5	.7	3.1
Health services	300.0	299.7	284.7	.1	5.4
Hospitals	167.1	167.1	160.1	.0	4.4
GOVERNMENT	684.5	653.1	699.0	4.8	- 2.1
Federal government	88.7	88.5	89.1	.3	- .5
State government	148.6	129.5	150.0	14.7	- 1.0
State government, except education	71.7	71.7	71.8	.0	- .2
State government education	76.9	57.9	78.2	32.9	- 1.6
Local government	447.2	435.1	459.8	2.8	- 2.8
Local government, except education	185.4	187.7	193.8	- 1.2	- 4.3
Local government education	261.8	247.4	266.1	5.8	- 1.6

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures. [h]Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1981 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
MINING	$459.40	$448.16	$413.52	44.0	43.3	43.3	$10.35	$10.35	$ 9.55
Bituminous coal and lignite mining	589.44	524.52	464.25	42.8	42.3	41.9	12.37	12.40	11.08
CONSTRUCTION	538.47	488.52	489.72	30.6	35.4	38.5	13.35	13.80	12.72
General building contractors	485.27	459.14	449.25	37.3	35.1	37.5	13.01	12.91	11.98
Heavy construction contractors	552.43	498.89	502.65	40.8	36.9	40.7	13.54	13.52	12.35
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Railroad transportation	.....	.....	.....	....	....	....	....	....	....
Transportation, except railroads	.....	.....	.....	....	....	....	....	....	....
Trucking and warehousing	440.67	436.08	423.22	37.0	36.8	38.3	11.91	11.85	11.05
Communication, electric, gas services	424.77	428.48	376.58	41.2	41.6	40.8	10.31	10.30	9.23
Communication	430.54	432.22	369.72	41.2	41.4	40.1	10.45	10.44	9.22
Electric, gas, and sanitary services	418.37	424.09	385.73	41.3	41.9	41.7	10.13	10.12	9.25
WHOLESALE TRADE	301.86	300.70	282.17	38.9	38.8	39.3	7.76	7.75	7.18
Wholesale trade-durable goods	297.92	296.74	277.38	39.2	39.2	39.4	7.60	7.57	7.04
Motor vehicles & automotive equipment	279.61	279.74	270.48	38.7	39.4	39.2	7.07	7.10	6.90
Electrical goods	255.75	247.59	231.39	37.5	37.4	38.5	6.82	6.62	6.01
Machinery, equipment, and supplies	310.45	306.92	292.25	39.1	38.9	39.6	7.94	7.89	7.38
Wholesale trade-nondurable goods	309.16	308.32	290.51	38.5	38.3	39.1	8.03	8.05	7.43
Groceries and related products	334.43	344.81	316.99	40.1	41.0	41.0	8.34	8.41	7.73
RETAIL TRADE[f]	153.01	153.11	146.29	29.2	29.5	30.1	5.24	5.19	4.86
General merchandise stores	155.44	161.82	142.67	30.3	31.0	30.1	5.13	5.22	4.74
Department stores	157.47	164.95	144.48	30.4	31.3	30.1	5.18	5.27	4.80
Food stores	235.47	236.28	221.45	32.3	33.0	33.3	7.29	7.16	6.65
Automotive dealers & service stations	197.74	196.79	198.36	37.1	37.2	38.0	5.33	5.29	5.22
Apparel and accessory stores	110.00	113.16	106.59	26.7	27.4	27.4	4.12	4.13	3.89
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	187.25	186.50	174.76	....	....	....	....	....	....
Credit agencies other than banks	195.93	191.66	181.17	....	....	....	....	....	....
Insurance carriers	257.64	255.14	234.46	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
Hotels and other lodging places	.....	.....	.....	....	....	....	....	....	....
Laundry, cleaning, & garment services	.....	.....	.....	....	....	....	....	....	....
Business services	.....	.....	.....	....	....	....	....	....	....
Health services	.....	.....	.....	....	....	....	....	....	....
Hospitals	242.54	245.48	218.96	33.5	34.0	34.0	7.24	7.22	6.44
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes miscellaneous manufacturing. [e]Includes tobacco manufactures. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	261.4	261.3	263.3	.1	- .7
MANUFACTURING	76.0	76.8	77.6	- 1.0	- 2.0
Durable Goods[e]	38.7	39.3	38.2	- 1.4	1.4
Stone, clay, and glass products	2.1	2.2	2.0	- 3.2	6.0
Fabricated metal products	14.9	15.3	15.2	- 2.8	- 1.9
Machinery, except electrical	11.3	11.4	11.0	- .4	3.2
Special industry machinery	2.2	2.2	2.4	- .1	- 5.5
Nondurable Goods[f]	37.3	37.5	39.4	- .6	- 5.4
Food and kindred products	2.4	2.5	3.1	- 2.5	- 22.1
Chemicals and allied products	3.6	3.6	3.4	- .1	4.6
Rubber and misc. plastics products	26.0	26.2	27.8	- .8	- 6.4
Tires and inner tubes	19.7	19.7	21.6	- .1	- 8.8
NONMANUFACTURING[g]	185.4	184.5	185.7	.5	- .1
CONSTRUCTION	8.3	8.3	8.8	.6	- 5.8
TRANSPORTATION AND PUBLIC UTILITIES	13.8	13.8	14.1	.5	- 1.9
Communication, electric, gas services	5.5	5.5	5.4	- .4	2.4
WHOLESALE TRADE	11.9	11.9	11.7	.1	1.2
RETAIL TRADE	44.5	44.7	45.1	- .3	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	9.1	9.2	9.2	- .9	- 1.6
SERVICES	52.2	53.0	50.7	- 1.5	2.9
GOVERNMENT	45.2	43.3	45.6	4.3	- .8
State government (includes education)	15.0	13.5	14.7	11.4	1.7
Local government (includes education)	28.2	27.8	28.8	1.2	- 2.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$404.91	$393.31	$386.32	41.7	40.8	41.9	$ 9.71	$ 9.64	$ 9.22
Durable Goods[d]	385.52	372.65	387.74	41.1	40.2	42.1	9.38	9.27	9.21
Stone, clay, and glass products	362.78	358.20	374.91	40.9	39.8	43.9	8.87	9.00	8.54
Fabricated metal products	365.95	359.28	442.96	38.4	38.1	43.3	9.53	9.43	10.23
Machinery, except electrical	407.34	387.11	344.45	43.8	42.4	41.5	9.30	9.13	8.30
Special industry machinery	358.25	361.67	308.90	41.9	42.7	39.2	8.55	8.47	7.88
Nondurable Goods[e]	427.65	418.74	386.65	42.3	41.5	41.8	10.11	10.09	9.25
Food and kindred products	393.72	400.45	365.76	45.1	45.3	45.1	8.73	8.84	8.11
Chemicals and allied products	405.34	423.20	394.27	42.4	43.9	44.3	9.56	9.64	8.90
Rubber and misc. plastics products	451.13	434.89	396.61	42.6	41.3	41.4	10.59	10.53	9.58
Tires and inner tubes	556.48	535.52	465.09	44.2	42.3	41.9	12.59	12.66	11.10
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	540.71	477.61	499.41	39.7	35.3	39.2	13.62	13.53	12.74
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	429.11	433.06	370.40	41.3	41.6	40.0	10.39	10.41	9.26
WHOLESALE TRADE	278.02	280.10	259.75	38.4	37.8	37.7	7.24	7.41	6.89
RETAIL TRADE[f]	174.80	170.85	163.15	30.4	30.4	30.9	5.75	5.62	5.28
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	157.2	157.0	155.7	.1	1.0
MANUFACTURING	55.8	56.1	53.8	- .7	3.6
Durable Goods[e]	43.9	44.2	41.7	- .7	5.4
Stone, clay, and glass products	2.3	2.4	2.3	- .6	1.4
Primary metal industries	14.5	14.7	13.1	- 1.5	10.3
Fabricated metal products	9.8	9.8	9.3	- .5	4.5
Fabricated structural metal products	3.4	3.4	3.7	- .5	- 9.6
Metal forgings and stampings	3.0	3.0	2.3[h]	- .1	29.9
Nondurable Goods[f]	11.9	11.9	12.1	- .5	- 2.3
Food and kindred products	4.2	4.2	4.4	- .1	- 4.1
Rubber and misc. plastics products	3.2	3.2	3.1	.3	1.7
NONMANUFACTURING[g]	101.4	100.9	101.8	.5	- .5
CONSTRUCTION	5.5	5.4	6.0	1.5	- 7.7
TRANSPORTATION AND PUBLIC UTILITIES	7.2	7.1	7.2	1.2	- .7
Communication, electric, gas services	3.0	3.0	3.0	.2	.2
WHOLESALE TRADE	7.1	7.1	7.1	.0	.5
RETAIL TRADE	25.9	26.2	25.8	- 1.1	.4
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.5	6.2	- 1.7	2.1
SERVICES	29.9	29.9	29.1	- .1	2.7
GOVERNMENT	18.3	17.6	19.2	4.2	- 4.4
Local government (includes education)	15.2	14.4	15.9	5.2	- 4.4

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$409.04	$399.40	$340.49	40.7	40.1	38.3	$10.05	$ 9.96	$ 8.89
Durable Goods[d]	418.40	405.78	342.09	40.7	39.9	37.8	10.28	10.17	9.05
Stone, clay, and glass products	281.78	270.22	233.78	42.5	41.7	40.1	6.63	6.48	5.83
Primary metal industries	481.18	481.53	374.85	39.8	39.9	35.0	12.09	12.07	10.71
Fabricated metal products	395.61	396.93	372.78	38.9	39.3	39.7	10.17	10.10	9.39
Fabricated structural metal products	367.54	356.69	330.24	40.3	39.5	38.4	9.12	9.03	8.60
Metal forgings and stampings	457.47	466.06	447.83	39.0	39.8	40.2	11.73	11.71	11.14
Nondurable Goods[e]	369.56	368.34	332.80	40.7	40.7	40.0	9.08	9.05	8.32
Food and kindred products	429.50	429.91	366.96	41.1	41.1	39.5	10.45	10.46	9.29
Rubber and misc. plastics products	376.71	373.80	357.65	44.9	44.5	44.1	8.39	8.40	8.11
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	516.26	496.66	481.71	38.1	36.6	39.1	13.55	13.57	12.32
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	441.21	444.78	391.02	41.9	42.0	42.0	10.53	10.59	9.31
WHOLESALE TRADE	284.16	275.08	271.66	38.4	38.1	39.2	7.40	7.22	6.93
RETAIL TRADE[f]	145.29	146.08	138.74	29.0	29.1	29.9	5.01	5.02	4.64
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	611.7	610.8	609.1	.1	.4
MANUFACTURING	162.4	163.0	163.1	- .4	- .4
Durable Goods[e]	90.1	90.6	90.3	- .5	- .2
Furniture and fixtures	2.5	2.6	2.9	- 4.2	- 14.3
Primary metal industries	2.5	2.6	2.2	- 3.9	17.8
Fabricated metal products	14.6	15.1	14.8	- 3.3	- 1.2
Fabricated structural metal products	5.0	5.1	5.3	- 2.4	- 6.7
Machinery, except electrical	25.7	25.9	26.3	- .7	- 2.3
Metalworking machinery	13.3	13.2	13.6	.7	- 2.7
General industrial machinery	3.8	3.8	4.0	1.6	- 5.3
Electric and electronic equipment	9.2	9.3	8.7	- 1.1	5.4
Transportation equipment	23.9	23.5	24.4	2.0	- 2.0
Motor vehicles and equipment	8.3	7.6	8.0	8.7	3.0
Nondurable Goods[f]	72.3	72.5	72.8	- .3	- .8
Food and kindred products	16.6	16.6	17.4	- .4	- 4.8
Meat products	2.0	2.1	2.3	- 3.1	- 14.6
Bakery products	2.5	2.5	3.0	- 2.4	- 16.1
Beverages	5.4	5.3	5.4	1.4	- .1
Apparel and other textile products	4.6	4.6	4.0	1.3	14.9
Paper and allied products	7.2	7.3	7.1	- .6	2.6
Printing and publishing	12.1	12.2	12.4	- .3	- 2.0
Chemicals and allied products	22.7	22.8	22.4	- .4	1.4
Rubber and misc. plastics products	4.7	4.6	4.6	.8	1.6
NONMANUFACTURING[g]	449.3	447.7	446.0	.4	.7
CONSTRUCTION	26.8	26.9	28.1	- .4	- 4.9
TRANSPORTATION AND PUBLIC UTILITIES	33.5	33.5	34.1	.3	- 1.7
Communication, electric, gas services	14.1	14.1	14.2	.0	- .4
WHOLESALE TRADE	39.0	39.0	38.3	.2	1.9
RETAIL TRADE	103.8	104.0	103.5	- .1	.4
FINANCE, INSURANCE, AND REAL ESTATE	33.8	33.7	33.1	.3	1.9
Banking	7.3	7.4	7.4	- .4	- .7
Insurance carriers	11.7	11.7	11.4	- .2	2.4
SERVICES	127.8	128.6	123.5	- .6	3.5
GOVERNMENT	84.2	81.9	85.0	2.8	- .9
Federal government	12.7	12.8	13.0	- .4	- 1.7
State government (includes education)	18.4	17.1	19.0	7.7	- 2.7
Local government	53.0	52.0	53.1	2.0	- .1
Local government, except education	22.0	22.5	22.6	- 2.5	- 2.9
Local government education	31.0	29.4	30.4	5.5	2.0

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43215

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$362.96	$367.09	$340.31	40.6	41.2	41.1	$ 8.94	$ 8.91	$ 8.28
Durable Goods[d]	355.25	360.59	337.35	40.6	41.4	41.7	8.75	8.71	8.09
Furniture and fixtures	243.83	266.42	239.15	35.7	38.5	37.9	6.83	6.92	6.31
Primary metal industries	317.63	347.68	297.16	37.5	41.0	38.0	8.47	8.48	7.82
Fabricated metal products	343.25	348.88	322.38	40.8	40.9	40.5	8.56	8.53	7.96
Fabricated structural metal products	329.45	341.56	290.39	42.4	43.4	40.9	7.77	7.87	7.10
Machinery, except electrical	350.10	339.80	319.12	40.9	40.5	42.1	8.56	8.39	7.58
Metalworking machinery	382.54	378.72	354.67	41.4	41.3	43.2	9.24	9.17	8.21
General industrial machinery	344.66	333.63	301.02	40.5	40.1	42.1	8.51	8.32	7.15
Electric and electronic equipment	277.70	274.44	248.68	39.9	40.3	39.1	6.96	6.81	6.36
Transportation equipment	474.96	508.47	473.48	41.7	44.1	44.5	11.39	11.53	10.64
Motor vehicles and equipment	531.30	625.78	559.55	42.2	48.1	47.5	12.59	13.01	11.78
Nondurable Goods[e]	371.49	375.15	343.40	40.6	41.0	40.4	9.15	9.15	8.50
Food and kindred products	412.68	413.88	388.93	40.9	41.1	41.2	10.09	10.07	9.44
Meat products	455.57	427.99	428.48	42.3	40.3	41.6	10.77	10.62	10.30
Bakery products	404.02	377.44	325.36	44.3	42.6	39.2	9.12	8.86	8.30
Beverages	353.08	357.10	362.75	38.8	38.9	41.6	9.10	9.18	8.72
Apparel and other textile products	204.98	200.41	190.47	38.1	37.6	36.7	5.38	5.33	5.19
Paper and allied products	320.21	330.01	298.56	41.0	41.2	40.4	7.81	8.01	7.39
Printing and publishing	372.66	396.40	317.09	38.9	40.0	37.0	9.58	9.66	8.57
Chemicals and allied products	422.06	409.12	389.67	41.5	41.2	41.9	10.17	9.93	9.30
Rubber and misc. plastics products	325.61	332.51	310.06	42.9	44.1	42.3	7.59	7.54	7.33
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	532.89	506.02	504.71	38.2	36.3	39.4	13.95	13.94	12.81
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	394.81	399.78	346.02	39.6	40.3	39.5	9.97	9.92	8.76
WHOLESALE TRADE	298.37	299.12	286.08	38.8	39.1	39.9	7.69	7.65	7.17
RETAIL TRADE[f]	153.00	154.53	145.87	30.0	30.3	30.2	5.10	5.10	4.83
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	193.42	191.33	173.97	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	899.6	896.8	900.4	.3	- .1
MANUFACTURING	251.4	252.1	249.9	- .3	.6
Durable Goods[e]	184.0	183.9	182.6	.0	.8
Furniture and fixtures	2.4	2.4	2.4	- .6	- 1.8
Primary metal industries	30.1	30.3	27.4	- .9	9.7
Blast furnace and basic steel products	15.4	15.5	14.4	- 1.1	7.0
Iron and steel foundries	6.6	6.6	5.4	.2	22.4
Nonferrous foundries	3.1	3.2	2.9	- 1.4	6.8
Fabricated metal products	39.7	39.8	38.8	- .3	2.2
Fabricated structural metal products	4.2	4.3	4.3	- 1.8	- 1.2
Screw machine products, bolts, etc.	6.3	6.2	5.9	2.0	7.2
Metal forgings and stampings	14.6	14.7	14.0	- .7	4.4
Machinery, except electrical	47.7	47.5	48.3	.3	- 1.4
Construction and related machinery	8.7	8.5	8.2	2.3	6.0
Metalworking machinery	16.6	16.6	17.4	.0	- 4.3
Special industry machinery	4.2	4.2	4.6	- .9	- 10.4
General industrial machinery	4.0	4.0	4.1	.7	- 2.6
Electric and electronic equipment	24.8	24.9	24.4	- .3	1.7
Electrical industrial apparatus	9.0	9.1	9.1	- 1.1	- 1.1
Transportation equipment	23.3	22.9	25.1	1.9	- 7.2
Motor vehicles and equipment	16.1	15.6	17.2	2.9	- 6.3
Instruments and related products	5.9	5.9	5.7	- 1.2	1.8
Nondurable Goods[f]	67.5	68.1	67.3	- 1.0	.2
Food and kindred products	8.5	8.7	8.7	- 2.7	- 2.3
Bakery products	1.8	1.8	2.0	- .2	- 8.6
Beverages	1.6	1.7	1.7	- 3.0	- 4.7
Apparel and other textile products	5.7	5.7	5.6	.4	1.4
Paper and allied products	5.1	5.2	5.2	- 1.4	- 1.4
Printing and publishing	15.5	15.4	15.1	1.1	2.9
Chemicals and allied products	16.4	16.6	16.2	- 1.2	1.2
Industrial inorganic chemicals	5.0	5.0	4.9	- .9	2.9
Rubber and misc. plastics products	10.5	10.7	10.7	- 2.4	- 1.9
NONMANUFACTURING[g]	648.1	644.8	650.5	.5	- .4
CONSTRUCTION	33.8	33.6	35.3	.5	- 4.3
TRANSPORTATION AND PUBLIC UTILITIES	45.8	45.6	46.5	.3	- 1.6
Communication, electric, gas services	19.7	19.8	19.2	- .2	2.6
WHOLESALE TRADE	62.3	62.4	63.5	- .2	- 1.9
RETAIL TRADE	146.1	146.3	146.1	- .1	.1
FINANCE, INSURANCE, AND REAL ESTATE	49.0	49.1	48.4	- .3	1.2
Banking	13.6	13.7	13.7	- .7	- .4
Insurance carriers	12.2	12.2	12.2	- .2	- .3
SERVICES	193.0	192.5	188.2	.2	2.6
GOVERNMENT	116.7	113.7	121.0	2.7	- 3.6
Federal government	19.4	19.4	19.9	.4	- 2.5
State government (includes education)	7.9	7.2	8.2	9.2	- 3.9
Local government	89.4	87.1	92.9	2.6	- 3.8
Local government, except education	45.0	46.1	45.3	- 2.2	- .5
Local government education	44.3	41.0	47.6	8.0	- 6.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$403.65	$400.98	$362.23	41.0	41.0	40.7	$ 9.85	$ 9.78	$ 8.90
Durable Goods[d]	425.98	422.06	378.84	41.6	41.5	41.0	10.24	10.17	9.24
Furniture and fixtures	295.07	279.49	234.52	40.2	39.7	41.0	7.34	7.04	5.72
Primary metal industries	490.88	509.76	421.06	41.6	43.2	40.8	11.80	11.80	10.32
Blast furnace and basic steel products	517.58	558.78	438.53	39.3	42.3	38.1	13.17	13.21	11.51
Iron and steel foundries	570.61	566.37	480.92	43.0	43.5	44.0	13.27	13.02	10.93
Nonferrous foundries	344.43	336.92	310.84	44.5	44.1	41.5	7.74	7.64	7.49
Fabricated metal products	396.41	394.99	373.68	39.8	40.1	41.2	9.96	9.85	9.07
Fabricated structural metal products	340.54	330.34	315.15	40.3	39.8	40.3	8.45	8.30	7.82
Screw machine products, bolts, etc.	343.88	364.99	309.96	39.3	40.6	38.6	8.75	8.99	8.03
Metal forgings and stampings	484.81	482.98	458.29	40.3	41.0	42.2	12.03	11.78	10.86
Machinery, except electrical	418.78	418.20	382.85	41.3	41.0	41.3	10.14	10.20	9.27
Construction and related machinery	445.83	426.50	400.39	39.7	38.8	40.2	11.23	11.25	9.96
Metalworking machinery	428.13	424.11	378.40	42.6	42.2	41.4	10.05	10.05	9.14
Special industry machinery	403.01	397.02	366.32	40.1	39.0	38.9	10.05	10.18	9.16
General industrial machinery	418.03	415.95	383.53	42.7	42.1	42.9	9.79	9.88	8.94
Electric and electronic equipment	391.16	371.95	333.68	44.5	43.0	41.4	8.79	8.65	8.06
Electrical industrial apparatus	432.25	415.67	370.09	45.5	44.6	42.2	9.50	9.32	8.77
Transportation equipment	503.29	479.13	452.69	42.4	41.7	40.6	11.87	11.49	11.15
Motor vehicles and equipment	525.34	495.46	465.26	42.4	41.6	39.8	12.39	11.91	11.69
Instruments and related products	300.37	296.87	279.07	40.7	40.5	40.8	7.38	7.33	6.84
Nondurable Goods[e]	334.05	332.87	312.02	39.3	39.3	39.9	8.50	8.47	7.82
Food and kindred products	337.89	342.69	320.74	39.7	40.7	40.6	8.51	8.42	7.90
Bakery products	352.95	344.70	346.32	39.0	38.3	42.0	9.05	9.00	8.26
Beverages	305.88	316.84	265.80	40.3	41.8	38.3	7.59	7.58	6.94
Apparel and other textile products	245.12	237.25	223.69	38.3	37.9	38.7	6.40	6.26	5.78
Paper and allied products	350.58	345.70	320.99	41.1	41.5	41.1	8.53	8.33	7.81
Printing and publishing	358.13	360.51	318.79	37.5	36.9	36.6	9.55	9.77	8.71
Chemicals and allied products	395.92	395.35	385.48	40.4	40.8	41.9	9.80	9.69	9.20
Industrial inorganic chemicals	409.14	403.46	396.81	39.8	39.4	39.8	10.28	10.24	9.97
Rubber and misc. plastics products	288.86	280.76	281.89	40.4	39.6	41.7	7.15	7.09	6.76
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	606.44	552.75	544.65	39.1	35.8	38.6	15.51	15.44	14.11
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	463.14	463.56	410.82	41.8	41.8	41.0	11.08	11.09	10.02
WHOLESALE TRADE	316.95	320.97	288.38	38.7	39.0	38.7	8.19	8.23	7.71
RETAIL TRADE[f]	157.87	158.18	156.90	28.6	28.5	30.0	5.52	5.55	5.23
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	217.17	216.67	204.46	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	526.4	518.8	523.6	1.5	.5
MANUFACTURING	94.1	94.7	96.3	- .6	- 2.3
Durable Goods[e]	60.0	60.3	61.8	- .5	- 2.9
Stone, clay, and glass products	9.7	10.0	10.5	- 2.6	- 7.8
Fabricated metal products	10.7	10.6	10.9	1.1	- 1.6
Machinery, except electrical	12.4	12.5	11.6	- .8	6.9
Electric and electronic equipment	11.8	12.1	12.8	- 2.3	- 7.4
Transportation equipment	6.1	5.9	6.5	4.2	- 6.7
Nondurable Goods[f]	34.1	34.4	34.5	- .8	- 1.3
Food and kindred products	10.7	10.8	10.9	- 1.0	- 1.7
Printing and publishing	9.0	8.9	9.1	1.5	- .7
Chemicals and allied products	6.0	6.0	6.0	- .3	- .8
Rubber and misc. plastics products	2.9	3.1	3.2	- 7.1	- 10.8
NONMANUFACTURING[g]	432.3	424.1	427.2	1.9	1.2
CONSTRUCTION	21.5	21.5	22.6	.2	- 4.7
TRANSPORTATION AND PUBLIC UTILITIES	25.3	25.3	25.0	.2	1.4
Communication, electric, gas services	11.6	11.6	11.1	.0	4.3
WHOLESALE TRADE	27.5	27.6	27.4	- .5	.4
RETAIL TRADE	99.8	98.7	97.0	1.0	2.8
FINANCE, INSURANCE, AND REAL ESTATE	40.0	39.9	38.5	.2	4.1
Banking	7.9	7.9	7.7	1.1	2.6
Insurance carriers	17.8	17.8	17.0	.1	4.8
SERVICES	112.7	111.6	108.9	.9	3.5
GOVERNMENT	104.7	98.6	107.2	6.1	- 2.3
Federal government	11.3	11.3	11.2	.0	1.1
State government	50.2	45.4	50.7	10.5	- .9
State government, except education[j]	28.9	28.9	28.8	.2	.5
State government education	21.3	16.6	21.9	28.4	- 2.8
Local government	43.1	41.8	45.3	3.1	- 4.8
Local government, except education	17.8	17.6	19.9	1.2	- 10.5
Local government education	25.3	24.2	25.4	4.5	- .3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [j]Excludes units such as Ohio Department of Education and its schools for deaf and blind. Includes hospital, agricultural extension service, and agricultural research center at O.S.U.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$356.80	$350.80	$317.96	40.0	40.0	39.4	$ 8.92	$ 8.77	$ 8.07
Durable Goods[d]	372.67	363.53	330.91	39.9	39.6	39.3	9.34	9.18	8.42
Stone, clay, and glass products	358.18	339.77	326.02	40.2	39.6	40.2	8.91	8.58	8.11
Fabricated metal products	426.41	414.07	384.77	39.3	39.1	38.4	10.85	10.59	10.02
Machinery, except electrical	347.94	346.45	332.90	40.6	41.0	42.3	8.57	8.45	7.87
Electric and electronic equipment	357.08	364.05	322.26	39.5	39.7	39.3	9.04	9.17	8.20
Transportation equipment	429.17	382.57	369.97	42.2	38.8	39.4	10.17	9.86	9.39
Nondurable Goods[e]	324.82	325.58	290.21	40.2	40.8	39.7	8.08	7.98	7.31
Food and kindred products	348.19	340.59	310.98	41.5	42.1	42.6	8.39	8.09	7.30
Printing and publishing	321.29	333.60	282.75	37.1	38.9	35.3	8.66	8.73	8.01
Chemicals and allied products	365.66	365.44	328.75	41.6	41.2	41.3	8.73	8.87	7.96
Rubber and misc. plastics products	295.61	295.89	268.97	41.0	40.7	41.7	7.21	7.27	6.45
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	493.42	443.81	433.48	39.6	36.2	38.6	12.46	12.26	11.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	451.61	456.29	404.58	41.7	41.9	41.2	10.83	10.89	9.82
WHOLESALE TRADE	292.39	289.34	283.11	39.3	39.1	40.1	7.44	7.40	7.06
RETAIL TRADE[f]	144.79	145.24	137.21	28.9	29.4	29.7	5.01	4.94	4.62
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	180.52	182.34	169.28	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	359.6	358.5	359.2	.3	.1
MANUFACTURING	100.5	101.6	99.1	- 1.0	1.4
Durable Goods[e]	68.7	69.4	66.9	- 1.0	2.7
Stone, clay, and glass products	2.2	2.3	2.4	- 3.3	- 8.1
Fabricated metal products	7.0	7.1	7.0	- 1.8	- .3
Machinery, except electrical	30.8	30.8	31.3	- .2	- 1.7
Metalworking machinery	6.8	6.9	7.5	- 1.4	- 8.9
Electric and electronic equipment	10.0	9.9	7.6	.5	32.0
Electrical industrial apparatus	3.8	3.9	3.8	- 2.0	1.7
Transportation equipment	12.5	12.9	12.7	- 2.8	- 1.7
Nondurable Goods[f]	31.8	32.2	32.1	- 1.2	- 1.1
Food and kindred products	3.6	3.7	3.5	- 1.7	1.6
Paper and allied products	5.9	6.2	5.9	- 4.8	.2
Printing and publishing	9.4	9.7	10.1	- 2.3	- 6.2
Rubber and misc. plastics products	8.9	8.6	8.8	2.9	1.5
NONMANUFACTURING[g]	259.1	256.9	260.1	.8	- .4
CONSTRUCTION	12.5	12.6	14.6	- 1.1	- 14.3
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.3	13.3	.0	.3
Communication, electric, gas services	6.6	6.6	6.6	- .8	- .2
WHOLESALE TRADE	15.3	15.2	15.3	.5	- .6
RETAIL TRADE	58.1	58.1	58.3	.0	- .4
FINANCE, INSURANCE, AND REAL ESTATE	13.8	13.8	13.7	.0	1.3
SERVICES	76.4	76.0	74.3	.4	2.8
GOVERNMENT	69.3	67.4	70.2	2.8	- 1.3
Federal government	25.6	25.3	25.0	1.2	2.2
State government (includes education)	6.0	5.2	6.1	15.3	- 1.3
Local government	37.7	37.0	39.1	2.0	- 3.5
Local government, except education	13.5	13.8	14.3	- 2.5	- 5.8
Local government education	24.2	23.1	24.8	4.8	- 2.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$407.88	$397.55	$382.55	41.2	40.9	41.9	$ 9.90	$ 9.72	$ 9.13
Durable Goods[d]	405.31	398.40	382.50	41.4	41.2	42.5	9.79	9.67	9.00
Stone, clay, and glass products	385.42	376.80	337.95	40.4	40.0	38.8	9.54	9.42	8.71
Fabricated metal products	300.75	284.57	276.46	40.1	38.3	40.3	7.50	7.43	6.86
Machinery, except electrical	400.61	389.64	395.05	41.6	40.8	43.7	9.63	9.55	9.04
Metalworking machinery	404.75	395.11	401.84	41.9	41.2	44.5	9.66	9.59	9.03
Electric and electronic equipment	482.33	481.63	331.59	46.2	46.4	41.5	10.44	10.38	7.99
Electrical industrial apparatus	310.16	314.67	286.34	41.3	41.9	40.5	7.51	7.51	7.07
Transportation equipment	490.30	483.98	514.60	39.7	40.5	44.4	12.35	11.95	11.59
Nondurable Goods[e]	413.11	397.54	380.57	40.7	40.4	40.4	10.15	9.84	9.42
Food and kindred products	394.07	395.54	362.52	41.7	41.9	42.4	9.45	9.44	8.55
Paper and allied products	325.22	371.51	315.79	40.3	43.3	40.8	8.07	8.58	7.74
Printing and publishing	415.44	410.29	393.57	40.1	39.3	39.2	10.36	10.44	10.04
Rubber and misc. plastics products	527.81	451.20	472.15	41.3	38.4	41.2	12.78	11.75	11.46
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	509.60	447.30	481.28	40.0	35.0	41.1	12.74	12.78	11.71
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	419.21	418.82	399.61	40.7	40.9	41.8	10.30	10.24	9.56
WHOLESALE TRADE	276.74	287.16	267.49	40.4	41.2	41.6	6.85	6.97	6.43
RETAIL TRADE[f]	148.19	148.92	144.00	29.0	29.2	30.0	5.11	5.10	4.80
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	...	....	....
SERVICES	.....	.....	.....	....	....	....	...	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	297.8	293.2	298.1	1.6	- .1
MANUFACTURING	75.8	77.9	74.7	- 2.7	1.4
Durable Goods[e]	59.3	60.3	57.4	- 1.6	3.4
Stone, clay, and glass products	13.5	13.6	13.5	- 1.3	- .4
Primary metal industries	4.5	4.8	4.3	- 6.6	3.3
Fabricated metal products	8.9	9.1	8.5	- 2.3	4.7
Metal forgings and stampings	4.0	4.1	3.9	- 3.3	3.0
Machinery, except electrical	7.4	7.5	7.4	- .1	.4
General industrial machinery	2.3	2.3	2.3	.3	- .8
Transportation equipment	15.8	16.0	15.1	- .9	4.7
Motor vehicles and equipment	14.6	14.8	13.7	- 1.3	6.3
Nondurable Goods[f]	16.4	17.6	17.4	- 6.6	- 5.4
Food and kindred products	4.4	5.2	4.4	- 15.3	- .2
Petroleum and coal products	1.7	1.7	1.9	.0	- 10.5
Rubber and misc. plastics products	3.0	3.2	3.4	- 5.6	- 12.5
NONMANUFACTURING[g]	222.0	215.3	223.4	3.1	- .6
CONSTRUCTION	14.1	13.8	14.7	2.2	- 3.9
TRANSPORTATION AND PUBLIC UTILITIES	19.7	19.7	20.1	- .2	- 2.1
Communication, electric, gas services	7.8	7.8	7.7	- .1	2.0
WHOLESALE TRADE	14.3	14.2	14.3	.4	- .3
RETAIL TRADE	52.5	51.9	52.7	1.1	- .5
FINANCE, INSURANCE, AND REAL ESTATE	11.0	11.0	10.8	- .2	1.5
SERVICES	62.8	62.3	61.1	.9	2.8
GOVERNMENT	47.1	41.8	49.2	12.8	- 4.1
State government (includes education)	15.3	10.5	15.3	45.2	.0
Local government	29.2	28.6	31.2	2.1	- 6.4
Local government, except education	10.9	10.9	12.0	.3	- 8.9
Local government education	18.3	17.7	19.2	3.2	- 4.9

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$412.46	$418.50	$392.81	41.0	41.6	41.7	$10.06	$10.06	$ 9.42
Durable Goods[d]	421.46	432.85	405.88	40.8	41.5	41.8	10.33	10.43	9.71
Stone, clay, and glass products	432.85	433.39	430.42	41.7	42.2	44.1	10.38	10.27	9.76
Primary metal industries	404.46	403.74	405.35	42.0	42.1	44.3	9.63	9.59	9.15
Fabricated metal products	385.12	384.71	341.34	41.5	41.5	39.1	9.28	9.27	8.73
Metal forgings and stampings	442.90	467.42	422.69	40.3	42.3	41.4	10.99	11.05	10.21
Machinery, except electrical	425.59	421.07	393.23	41.4	41.0	41.7	10.28	10.27	9.43
General industrial machinery	461.14	461.85	396.24	41.1	41.2	39.0	11.22	11.21	10.16
Transportation equipment	491.26	526.25	467.73	40.4	42.1	42.1	12.16	12.50	11.11
Motor vehicles and equipment	491.66	529.20	474.05	40.3	42.1	42.1	12.20	12.57	11.26
Nondurable Goods[e]	373.50	368.34	347.33	41.5	42.0	41.3	9.00	8.77	8.41
Food and kindred products	392.05	386.51	343.58	42.8	45.1	41.9	9.16	8.57	8.20
Petroleum and coal products	593.26	562.76	613.75	45.6	44.0	47.8	13.01	12.79	12.84
Rubber and misc. plastics products	318.33	311.26	284.36	40.5	39.3	38.9	7.86	7.92	7.31
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	603.56	498.19	538.73	38.2	32.1	38.1	15.80	15.52	14.14
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	450.94	454.95	426.00	41.6	41.7	42.6	10.84	10.91	10.00
WHOLESALE TRADE	322.37	318.27	290.19	38.7	38.3	38.9	8.33	8.31	7.46
RETAIL TRADE[f]	158.85	158.47	151.00	29.2	29.4	29.9	5.44	5.39	5.05
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent[d] Change From	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	201.7	202.2	200.1	- .2	.8
MANUFACTURING	68.9	69.3	67.3	- .6	2.4
Durable Goods[e]	62.9	63.3	61.3	- .7	2.5
Stone, clay, and glass products	2.0	2.0	1.8	- 1.7	8.6
Primary metal industries	29.5	30.0	29.5	- 1.4	.1
Blast furnace and basic steel products	15.6	15.6	14.5	.1	7.6
Fabricated metal products	8.6	8.4	9.0	2.4	- 4.4
Fabricated structural metal products	2.6	2.6	2.9	.0	- 10.7
Machinery, except electrical	5.8	5.9	5.1[h]	- 1.6	13.7
Metalworking machinery	2.3	2.4	2.8	- 3.1	- 17.1
Electric and electronic equipment	3.1	3.0	3.1	.5	- 2.3
Transportation equipment	12.0	12.1	10.7[h]	- .8	12.5
Nondurable Goods[f]	6.0	6.0	5.9	.6	1.2
NONMANUFACTURING[g]	132.8	132.9	132.8	- .1	.0
CONSTRUCTION	7.2	7.3	7.8	- 1.1	- 7.2
TRANSPORTATION AND PUBLIC UTILITIES	9.3	9.2	9.3	.9	- .5
Communication, electric, gas services	3.3	3.4	3.3	- .4	2.1
WHOLESALE TRADE	7.8	7.8	7.8	- .7	- .6
RETAIL TRADE	36.5	37.0	36.8	- 1.4	- .8
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.1	.0	2.1
SERVICES	39.2	40.0	37.9	- 1.9	3.6
GOVERNMENT	25.2	23.9	25.7	5.3	- 2.0
Local government (includes education)	19.9	19.2	20.3	3.3	- 2.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$470.21	$485.06	$429.04	40.5	41.6	39.8	$11.61	$11.66	$10.78
Durable Goods[d]	481.16	497.12	441.07	40.4	41.6	39.7	11.91	11.95	11.11
Stone, clay, and glass products	312.05	294.38	273.73	39.6	37.5	36.4	7.88	7.85	7.52
Primary metal industries	505.68	535.87	481.18	39.2	41.0	40.3	12.90	13.07	11.94
Blast furnace and basic steel products	553.73	585.16	455.34	41.2	42.9	38.2	13.44	13.64	11.92
Fabricated metal products	459.10	449.85	485.06	40.7	40.6	42.4	11.28	11.08	11.44
Fabricated structural metal products	341.14	320.78	318.78	41.2	39.7	38.5	8.28	8.08	8.28
Machinery, except electrical	447.35	427.96	296.87[h]	39.8	38.8	28.6[h]	11.24	11.03	10.38
Metalworking machinery	453.38	428.96	307.30[h]	40.3	38.3	28.8[h]	11.25	11.20	10.67
Electric and electronic equipment	342.34	345.02	316.01	39.9	40.4	39.9	8.58	8.54	7.92
Transportation equipment	530.86	551.46	441.78	43.3	45.5	39.8	12.26	12.12	11.10
Nondurable Goods[e]	336.98	336.57	290.88	41.5	41.5	40.4	8.12	8.11	7.20
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	540.64	527.99	537.99	38.1	37.0	38.9	14.19	14.27	13.83
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	444.19	450.39	400.40	43.0	43.6	43.1	10.33	10.33	9.29
WHOLESALE TRADE	332.37	331.20	300.62	39.9	40.0	39.4	8.33	8.28	7.63
RETAIL TRADE[f]	155.63	156.38	147.44	29.7	29.9	30.4	5.24	5.23	4.85
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment conpensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities.	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate.	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment}_{\text{(current month)}} = \text{Total Employment}_{\text{(previous month)}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
NOVEMBER 1981

Unemployment in Ohio, estimated at 562,000 in November, represented 10.9 percent of the civilian labor force--up by nearly 57,000 and a percentage point from October. Total employment slipped .4 percent, to 4,590,000, as nonfarm payroll workers dropped similarly, to 4,386,000.

Factory employment in Ohio totaled 1,221,000 in November, down 1.4 percent from October. Lack of orders led to widespread cutbacks among producers of durable goods. Greatly affected were the automotive industries, as motor vehicle manufacturers and producers of automotive stampings and castings trimmed production staffs. Producers of refrigeration machinery, household appliances, furniture, and plastic products also curtailed operations. Employment in food production slipped, as vegetable processors released temporary cannery workers.

Employment in Ohio's nonmanufacturing industries increased fractionally, to 3,165,000 in November. Retailing rose seasonally, as department and apparel stores added temporary Christmas personnel. Seasonal expansion among public schools and colleges boosted government. These gains were moderated, however, as inclement weather forced slowdowns in outdoor activities.

Average weekly earnings of Ohio's factory production workers rose nearly $5 from October, to a new all-time high of $398.45 in November. The average workweek, at 40.7 hours, was .3 hours longer--reflecting more overtime in several industries. Producers of communication equipment, metal fasteners, paperboard containers, and dairy products reported extra hours. Overtime increases, plus wage-rate hikes, boosted earnings in steel production, aircraft components, and meat processing. Workweek curtailments, however, were reported in the production of metal stampings, electrical industrial apparatus, plastics, and beverages.

Unemployment in Ohio climbed nearly 100,000 between November 1980 and November 1981, lifting the jobless rate from 9.1 to 10.9 percent. Total employment dropped 1.3 percent over the year, as nonfarm payrolls slipped 1.0 percent. Most of the decline in manufacturing occurred among durable-goods industries, notably transportation equipment and nonelectrical machinery. Slippage in food and rubber lowered nondurable goods. Nonmanufacturing dipped fractionally, as gains in services moderated cutbacks in construction and government. Factory production workers averaged nearly $24 more per week in November 1981 than in November 1980, despite an average workweek shorter by .7 hours.

For additional Labor Market Information, write
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